10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**

HHC Northern Lights Vape Oil
N/A
Matrix: Derivative

# Certificate of Analysis

**Sample:KN20914010-001**
**Harvest/Lot ID: HHCNL090922**
**Batch#:** HHCNL090922
**Seed to Sale#** N/A
**Batch Date:** N/A
**Sample Size Received:** 11.1 gram
**Total Batch Size:** N/A
**Retail Product Size:** 1 gram
**Ordered** : 09/12/22
**Sampled** : 09/12/22
**Completed:** 09/21/22
**Sampling Method:** SOP Client Method

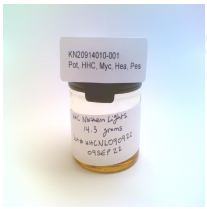
## Sep 21, 2022 | High Roller Private Label LLC

4095N 28th Way
Hollywood, FL, 33020, US

**PASSED**



**PRODUCT IMAGE**



HHC Northern Lights Vape Oil

**SAFETY RESULTS**

| Pesticides | Heavy Metals | Microbials | Mycotoxins | Residuals Solvents | Filth | Water Activity | Moisture |
|---|---|---|---|---|---|---|---|
| PASSED | PASSED | PASSED | PASSED | PASSED | PASSED | NOT TESTED | NOT TESTED |

**MISC.**

Terpenes
**NOT TESTED**

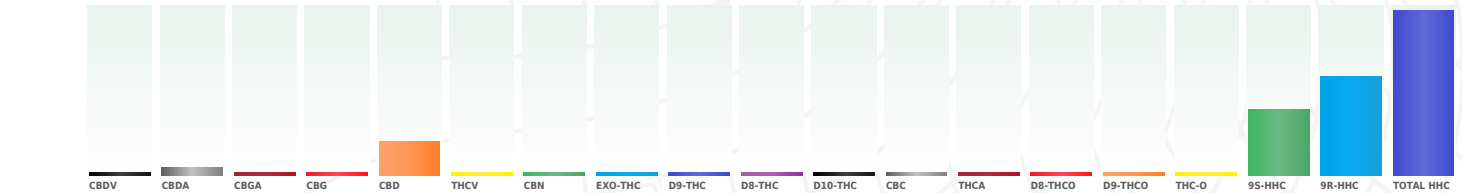
## Cannabinoid

**PASSED**

**Total HHC**
**59.659%**

**Total CBD**
**15.413%**

**Total Cannabinoids**
**77.567%**



| | CBDV | CBDA | CBGA | CBG | CBD | THCV | CBN | EXO-THC | D9-THC | D8-THC | D10-THC | CBC | THCA | D8-THCO | D9-THCO | THC-O | 9S-HHC | 9R-HHC | TOTAL HHC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| % | 0.1846 | 3.0469 | 0.0791 | 0.7233 | 12.7405 | 0.029 | 1.0193 | ND | 0.0129 | 0.0726 | ND | ND | ND | ND | ND | ND | 24.1018 | 35.5569 | 59.6587 |
| mg/g | 1.846 | 30.469 | 0.791 | 7.233 | 127.405 | 0.29 | 10.193 | ND | 0.129 | 0.726 | ND | ND | ND | ND | ND | ND | 241.018 | 355.569 | 596.587 |
| LOD | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.002 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.001 % | 0.002 % | 0.002 % | 0.002 % | 0.01 % | 0.01 % | 0.01 % |

**Analyzed by:** 2837, 2692
**Weight:** 0.2048g
**Extraction date:** 09/14/22 15:11:34
**Extracted by:** 2837

**Analysis Method :** Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCa: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.
**Analytical Batch :** KN002899POT
**Instrument Used :** HPLC E-SHI-008
**Running on :** N/A
**Reviewed On :** 09/15/22 15:19:14
**Batch Date :** 09/14/22 14:20:38

**Dilution :** N/A
**Reagent :** 062422.02; 070822.R01; 063022.R02
**Consumables :** 294033242; 270314; 947.109 B9291.271; 12123-046CC-046
**Pipette :** E-GIL-010; E-EPP-081

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.). *Based on FL action limits.

**Analyzed by:** 2657, 12
**Weight:** 0.2048g
**Extraction date:** 09/19/22 09:20:51
**Extracted by:** 2657

**Analysis Method :** SOP.T.30.074, SOP.T.40.074
**Analytical Batch :** KN002906HHC
**Instrument Used :** HPLC E-SHI-153
**Running on :** N/A
**Reviewed On :** 09/20/22 18:03:18
**Batch Date :** 09/16/22 12:16:29

**Dilution :** N/A
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

Analysis Method SOP.T.30.050 Description: Total Hexahydrocannabinol (9S & 9R-HHC) analysis is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) Analytes ISO Pending



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

09/21/22
Signed On

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Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**

HHC Northern Lights Vape Oil
N/A
Matrix : Derivative

# Certificate of Analysis

**PASSED**

**High Roller Private Label LLC**

4095N 28th Way
Hollywood, FL, 33020, US
**Telephone:** (954) 505-4481
**Email:** admin@highrollerllc.com

**Sample : KN20914010-001**
**Harvest/Lot ID: HHCNL090922**
**Batch# :** HHCNL090922
**Sampled :** 09/12/22
**Ordered :** 09/12/22

**Sample Size Received :** 11.1 gram
**Total Batch Size :** N/A
**Completed :** 09/21/22 **Expires:** 09/21/23
**Sample Method :** SOP Client Method



## Pesticides

**PASSED**

| Pesticide | LOD | Units | Action Level | Pass/Fail | Result |
|---|---|---|---|---|---|
| ABAMECTIN B1A | 0.01 | ppm | 0.3 | PASS | ND |
| ACEPHATE | 0.01 | ppm | 3 | PASS | ND |
| ACEQUINOCYL | 0.01 | ppm | 2 | PASS | ND |
| ACETAMIPRID | 0.01 | ppm | 3 | PASS | ND |
| ALDICARB | 0.01 | ppm | 0.1 | PASS | ND |
| AZOXYSTROBIN | 0.01 | ppm | 3 | PASS | ND |
| BIFENAZATE | 0.01 | ppm | 3 | PASS | ND |
| BIFENTHRIN | 0.01 | ppm | 0.5 | PASS | ND |
| BOSCALID | 0.01 | ppm | 3 | PASS | ND |
| CARBARYL | 0.01 | ppm | 0.5 | PASS | ND |
| CARBOFURAN | 0.01 | ppm | 0.1 | PASS | ND |
| CHLORANTRANILIPROLE | 0.01 | ppm | 3 | PASS | ND |
| CHLORMEQUAT CHLORIDE | 0.01 | ppm | 3 | PASS | ND |
| CHLORPYRIFOS | 0.01 | ppm | 0.1 | PASS | ND |
| CLOFENTEZINE | 0.01 | ppm | 0.5 | PASS | ND |
| COUMAPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| CYPERMETHRIN | 0.01 | ppm | 1 | PASS | ND |
| DAMINOZIDE | 0.01 | ppm | 0.1 | PASS | ND |
| DIAZANON | 0.01 | ppm | 0.2 | PASS | ND |
| DICHLORVOS | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOATE | 0.01 | ppm | 0.1 | PASS | ND |
| DIMETHOMORPH | 0.01 | ppm | 3 | PASS | ND |
| ETHOPROPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| ETOFENPROX | 0.01 | ppm | 0.1 | PASS | ND |
| ETOXAZOLE | 0.01 | ppm | 1.5 | PASS | ND |
| FENHEXAMID | 0.01 | ppm | 3 | PASS | ND |
| FENOXYCARB | 0.01 | ppm | 0.1 | PASS | ND |
| FENPYROXIMATE | 0.01 | ppm | 2 | PASS | ND |
| FIPRONIL | 0.01 | ppm | 0.1 | PASS | ND |
| FLONICAMID | 0.01 | ppm | 2 | PASS | ND |
| FLUDIOXONIL | 0.01 | ppm | 3 | PASS | ND |
| HEXYTHIAZOX | 0.01 | ppm | 2 | PASS | ND |
| IMAZALIL | 0.01 | ppm | 0.1 | PASS | ND |
| IMIDACLOPRID | 0.01 | ppm | 3 | PASS | ND |
| KRESOXIM-METHYL | 0.01 | ppm | 1 | PASS | ND |
| MALATHION | 0.01 | ppm | 2 | PASS | ND |
| METALAXYL | 0.01 | ppm | 3 | PASS | ND |
| METHIOCARB | 0.01 | ppm | 0.1 | PASS | ND |
| METHOMYL | 0.01 | ppm | 0.1 | PASS | ND |
| MEVINPHOS | 0.01 | ppm | 0.1 | PASS | ND |
| MYCLOBUTANIL | 0.01 | ppm | 3 | PASS | ND |
| NALED | 0.01 | ppm | 0.5 | PASS | <0.05 |
| OXAMYL | 0.01 | ppm | 0.5 | PASS | ND |
| PACLOBUTRAZOL | 0.01 | ppm | 0.1 | PASS | ND |
| PERMETHRINS | 0.01 | ppm | 1 | PASS | ND |
| PHOSMET | 0.01 | ppm | 0.2 | PASS | ND |
| PIPERONYL BUTOXIDE | 0.01 | ppm | 3 | PASS | ND |
| PRALLETHRIN | 0.01 | ppm | 0.4 | PASS | ND |
| PROPICONAZOLE | 0.01 | ppm | 1 | PASS | ND |
| PROPOXUR | 0.01 | ppm | 0.1 | PASS | ND |
| PYRETHRINS | 0.01 | ppm | 1 | PASS | ND |
| PYRIDABEN | 0.01 | ppm | 3 | PASS | ND |
| SPINETORAM | 0.01 | ppm | 3 | PASS | ND |
| SPIROMESIFEN | 0.01 | ppm | 3 | PASS | ND |
| SPIROTETRAMAT | 0.01 | ppm | 3 | PASS | ND |
| SPIROXAMINE | 0.01 | ppm | 0.1 | PASS | ND |
| TEBUCONAZOLE | 0.01 | ppm | 1 | PASS | ND |
| THIACLOPRID | 0.01 | ppm | 0.1 | PASS | ND |
| THIAMETHOXAM | 0.01 | ppm | 1 | PASS | ND |
| TOTAL SPINOSAD | 0.01 | ppm | 3 | PASS | ND |
| TRIFLOXYSTROBIN | 0.01 | ppm | 3 | PASS | ND |

**Analyzed by:** 2803, 12 | **Weight:** 0.502g | **Extraction date:** 09/20/22 10:11:59 | **Extracted by:** 2803

**Analysis Method :** SOP.T.30.060, SOP.T.40.060
**Analytical Batch :** KN002913PES
**Instrument Used :** E-SHI-125 Pesticides
**Running on :** N/A
**Reviewed On :** 09/21/22 19:00:55
**Batch Date :** 09/19/22 11:53:56
**Dilution :** 0.01
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

09/21/22
Signed On

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**

HHC Northern Lights Vape Oil
N/A
Matrix : Derivative

# Certificate of Analysis

**PASSED**

**High Roller Private Label LLC**

4095N 28th Way
Hollywood, FL, 33020, US
**Telephone:** (954) 505-4481
**Email:** admin@highrollerllc.com

**Sample : KN20914010-001**
**Harvest/Lot ID: HHCNL090922**
**Batch# :** HHCNL090922
**Sampled :** 09/12/22
**Ordered :** 09/12/22

**Sample Size Received :** 11.1 gram
**Total Batch Size :** N/A
**Completed :** 09/21/22 **Expires:** 09/21/23
**Sample Method :** SOP Client Method



## Residual Solvents

**PASSED**

| Solvents | LOD | Units | Action Level | Pass/Fail | Result |
|---|---|---|---|---|---|
| PROPANE | 500 | ppm | 2100 | PASS | ND |
| BUTANES (N-BUTANE) | 500 | ppm | 2000 | PASS | ND |
| METHANOL | 25 | ppm | 3000 | PASS | ND |
| ETHYLENE OXIDE | 0.5 | ppm | 5 | PASS | ND |
| PENTANES (N-PENTANE) | 75 | ppm | 5000 | PASS | ND |
| ETHANOL | 500 | ppm | 5000 | PASS | ND |
| ETHYL ETHER | 50 | ppm | 5000 | PASS | ND |
| 1,1-DICHLOROETHENE | 0.8 | ppm | 8 | PASS | ND |
| ACETONE | 75 | ppm | 5000 | PASS | ND |
| 2-PROPANOL | 50 | ppm | 500 | PASS | ND |
| ACETONITRILE | 6 | ppm | 410 | PASS | ND |
| DICHLOROMETHANE | 12.5 | ppm | 600 | PASS | ND |
| N-HEXANE | 25 | ppm | 290 | PASS | ND |
| ETHYL ACETATE | 40 | ppm | 5000 | PASS | ND |
| CHLOROFORM | 0.2 | ppm | 60 | PASS | ND |
| BENZENE | 0.1 | ppm | 2 | PASS | ND |
| 1,2-DICHLOROETHANE | 0.2 | ppm | 5 | PASS | ND |
| HEPTANE | 500 | ppm | 5000 | PASS | ND |
| TRICHLOROETHYLENE | 2.5 | ppm | 80 | PASS | ND |
| TOLUENE | 15 | ppm | 890 | PASS | ND |
| TOTAL XYLENES - M, P & O - DIMETHYLBENZENE | 15 | ppm | 2170 | PASS | ND |

**Analyzed by:** N/A
**Weight:** N/A
**Extraction date:** N/A
**Extracted by:** N/A

**Analysis Method :** SOP.T.40.032
**Analytical Batch :** KN002917SOL
**Instrument Used :** E-SHI-106 Residual Solvents
**Running on :** N/A

**Reviewed On :** 09/21/22 18:51:23
**Batch Date :** 09/20/22 09:41:53

**Dilution :** N/A
**Reagent :** N/A
**Consumables :** R2017-167; G201.167
**Pipette :** N/A

Residual solvents analysis is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). *Based on FL action limits.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

09/21/22
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Knoxville, TN, 37932, US
**DEA Number:** RK0595249

**Kaycha Labs**

HHC Northern Lights Vape Oil
N/A
Matrix : Derivative

# Certificate of Analysis

**PASSED**

**High Roller Private Label LLC**

4095N 28th Way
Hollywood, FL, 33020, US
**Telephone:** (954) 505-4481
**Email:** admin@highrollerllc.com

**Sample : KN20914010-001**
**Harvest/Lot ID: HHCNL090922**
**Batch# :** HHCNL090922
**Sampled :** 09/12/22
**Ordered :** 09/12/22

**Sample Size Received :** 11.1 gram
**Total Batch Size :** N/A
**Completed :** 09/21/22 **Expires:** 09/21/23
**Sample Method :** SOP Client Method



## Microbial — PASSED

| Analyte | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| ESCHERICHIA COLI SHIGELLA SPP | | | Not Present | PASS | |
| SALMONELLA SPECIFIC GENE | | | Not Present | PASS | |
| ASPERGILLUS FLAVUS | | | Not Present | PASS | |
| ASPERGILLUS FUMIGATUS | | | Not Present | PASS | |
| ASPERGILLUS NIGER | | | Not Present | PASS | |
| ASPERGILLUS TERREUS | | | Not Present | PASS | |

**Analyzed by:** 2657 **Weight:** 1.0112g **Extraction date:** 09/15/22 11:42:10 **Extracted by:** 2657

**Analysis Method :** SOP.T.40.043
**Analytical Batch :** KN002897MIC
**Instrument Used :** Micro E-HEW-069
**Running on :** N/A
**Reviewed On :** 09/16/22 14:42:26
**Batch Date :** 09/14/22 13:23:47

**Dilution :** N/A
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

## Mycotoxins — PASSED

| Analyte | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| AFLATOXIN G2 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN G1 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN B2 | 0.002 | ppm | ND | PASS | 0.02 |
| AFLATOXIN B1 | 0.002 | ppm | ND | PASS | 0.02 |
| OCHRATOXIN A+ | 0.002 | ppm | ND | PASS | 0.02 |
| TOTAL MYCOTOXINS | 0.002 | ppm | ND | PASS | 0.02 |

**Analyzed by:** 2803 **Weight:** 0.502g **Extraction date:** 09/20/22 10:11:59 **Extracted by:** 2803

**Analysis Method :** SOP.T.30.060, SOP.T.40.060
**Analytical Batch :** KN002919MYC
**Instrument Used :** E-SHI-125 Mycotoxins
**Running on :** N/A
**Reviewed On :** 09/20/22 15:49:01
**Batch Date :** 09/20/22 10:20:38

**Dilution :** 0.01
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb).
*Based on FL action limits.

## Heavy Metals — PASSED

| Metal | LOD | Units | Result | Pass / Fail | Action Level |
|---|---|---|---|---|---|
| ARSENIC-AS | 0.02 | ppm | ND | PASS | 0.2 |
| CADMIUM-CD | 0.02 | ppm | ND | PASS | 0.2 |
| MERCURY-HG | 0.02 | ppm | ND | PASS | 0.2 |
| LEAD-PB | 0.02 | ppm | ND | PASS | 0.5 |

**Analyzed by:** 2368, 138, 12 **Weight:** 0.2623g **Extraction date:** 09/20/22 13:01:24 **Extracted by:** 138

**Analysis Method :** SOP.T.40.050, SOP.T.30.052
**Analytical Batch :** KN002907HEA
**Instrument Used :** Metals ICP/MS
**Running on :** N/A
**Reviewed On :** 09/21/22 18:49:22
**Batch Date :** 09/16/22 13:08:18

**Dilution :** 50
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

09/21/22
Signed On

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**DEA Number:** RK0595249

**Kaycha Labs**

HHC Northern Lights Vape Oil
N/A
Matrix : Derivative

# Certificate of Analysis

**PASSED**



**High Roller Private Label LLC**

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Hollywood, FL, 33020, US
**Telephone:** (954) 505-4481
**Email:** admin@highrollerllc.com

**Sample : KN20914010-001**
**Harvest/Lot ID: HHCNL090922**
**Batch# :** HHCNL090922
**Sampled :** 09/12/22
**Ordered :** 09/12/22

**Sample Size Received :** 11.1 gram
**Total Batch Size :** N/A
**Completed :** 09/21/22 **Expires:** 09/21/23
**Sample Method :** SOP Client Method

## Filth/Foreign Material — PASSED

| Analyte | LOD | Units | Result | P/F | Action Level |
|---|---|---|---|---|---|
| Filth and Foreign Material | 1 | detect/g | ND | PASS | 3 |

| Analyzed by: | Weight: | Extraction date: | Extracted by: |
|---|---|---|---|
| 2657 | 0.5639g | 09/15/22 11:44:27 | 2657 |

**Analysis Method :** SOP.T.30.074, SOP.T.40.074
**Analytical Batch :** KN002890FIL
**Instrument Used :** E-AMS-138 Microscope
**Running on :** N/A

**Reviewed On :** 09/15/22 11:46:32
**Batch Date :** 09/13/22 17:26:55

**Dilution :** N/A
**Reagent :** N/A
**Consumables :** N/A
**Pipette :** N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.



**Sue Ferguson**
Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

09/21/22
Signed On